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CLAIMS

- 1. A peptide capable of inhibiting in vitro the enzymatic activity of human 5 Leukocyte Elastase (hLE) and/or of human Cathepsin G (hCG), said peptide being selected from:
 - (i) a core peptide corresponding to positions 89-96 of the sequence of human C-reactive protein (CRP) of the formula:

Val89-Thr-Val-Ala-Pro-Val-His-Ile96

- or a modification thereof characterized by:
 - (ii) substitution of tle96 by a hydrophobic amino acid residue;
 - (iii) substitution of His95 by D-His or by a residue selected from Asp, Glu, Ser, Thr, Phe and Tyr, N-alkyl derivatives thereof and D-forms of the foregoing;
 - (iv) substitution of Val94 by D-Val, or by a residue selected from Ala, His and Phe, and D-forms of the foregoing;
 - (v) substitution of Ala92 by a hydrophobic amino acid residue;
 - (vi) substitution of Val9 by Ala or Gly;
 - (vii) substitution of Thr90 by a residue selected from Asn, Asp, Gln, Glu, Ala, Val and Pro;
 - (viii) substitution of Val89 by a hydrophobic amino acid residue;
 - (ix) a peptide obtained by elongation of a peptide (i) to (viii) at the N- and/or C-terminal;
 - (x) an amide of the C-terminal of a peptide (i) to (ix); and
 - (ix) an N-acyl derivative of a paptide (i) to (x).
 - 2. A peptide according to claim 1 wherein the hydrophobic amino acid residue is selected from a residue comprising Leu, Ile, Val, Phe, Tyr, Nle and Nva.
 - 3. A peptide according to claim 1(ix) wherein the peptide is elongated by additional amino acid residues at the N-terminal.

- 4. A peptide according to claim 3 wherein the additional amino acid residues constitute sequences of the human CRP.
- 5. An N-acyl pertide according to claim 1(xi) wherein acyl is a radical R-X-CO-, wherein R is substituted or unsubstituted hydrocarbyl and X is a covalent bond, O, NH, or NHCO.

6. An N-acyl peptide according to claim 5 wherein R is optionally substituted alkanoyl or aroyl.

7. An N-acyl peptide according to claim 6 wherein the acyl radical is selected from octanoyl, monomethoxysuccinyl, carbobenzoxy (benzyl-O-CO-), acetylaminocaproyl, Fmoc (fluorenylmethoxycarbonyl), naphthyl-NH-CO- and adamantyl-NH-CO-.

8. A peptide according to any one of claims 1 to 7 selected from the sequences:

Val-Thr-Val-Ala-Pro-Val-(D)His-Ile

Val-Thr-Val-Ala-Pro-Val-His-Ile

Val-Thr-Val-Ala-Pro-(D)Val-His-Ile

Val-Thr-Val-Ala-Pro-(D)Val-(D)His-Ile

Val-Thr-Val-Ala-Pro-Val-Ser-Ile

Val-Thr-Val-Ala-Pro-Val-Phe-Ile

Val-Thr-Val-Ala-Pro-Val-His-Ile-NH2

Val-Thr-Val-Ala-Pro-Val-His-Ile-Pro-NH,

Val-Thr-Val-Ala-Pro-Phe-His-Ile-Pro-NH,

Val-Thr-Val-Ala-Pro-Val-His-Ile-Pro-Pro-NH2

MeOSuc-Val-Thr-Val-Ala-Pro-Val-His-Ile

MeOSuc-Phe-Val-Thr-Val-Ala-Pro-Val-His-Ile

Octanoyl-Val-Thr-Val-Ala-Pro-Val-His-Ile

Acetylaminocaproyl-Val-Thr-Val-Ala-Pro-Val-His-Ile

Adamantyl-NH-CO-Val-Thr-Val-Ala-Pro-Val-His-Ile

α-Naphthyl-NH-CO-Val-Thr-Val-Ala-Pro-Val-His-Ile

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CBz-Val-Thr-Val-Ala-Pro-Val-His-Ile

CBz-Phe Val-Thr-Val-Ala-Pro-Val-His-Ile

Fmoc-Val-Thr-Val-Ala-Pro-Val-His-Ile

wherein Cbz is carbobenzoxy, MeOSuc is monomethoxysuccinyl and Fmoc is 9-

5 fluorenylmethoxycarbonyl.

9. A pharmaceutical composition comprising a CRP-derived peptide according to any one of claims 1 to 8 and a pharmaceutically acceptable carrier.

10. Use of a CRP-derived peptide according to any one of claims 1 to 8 for the preparation of a pharmaceutical composition for the treatment of chronic inflammatory conditions.

11. Use according to claim 10 wherein the chronic inflammatory condition is rheumatoid arthritis, pulmonary emphysema or cystic fibrosis.

12. A method for the treatment of a chronic inflammatory condition which comprises administering to a patient in need thereof an effective amount of a peptide according to any one of claims 1 to 8.

13. A method according to claim 12 wherein the chronic inflammatory condition is rheumatoid arthritis, pulmonary emphyserna or cystic fibrosis.